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1 Utility-driven assessment of data quality



Adir Even, G. Shankaranarayanan

May 2007 ACM SIGMIS Database, Volume 38 Issue 2

Publisher: ACM

Full text available: pdf(503.85

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 319, Citation Count: 0

Data consumers assess quality within specific business contexts or decision tasks. The same data resource may have an acceptable level of quality for some contexts but this quality may be unacceptable for other contexts. However, existing data quality ...

Keywords: data management, data quality, database, decision making, information products, information value, metadata, utility

2 A strategic approach of internal service quality for improving employees' job

◆ satisfaction in e-business

Jung-Yu Lai, Chun-Yi Chou

April SI GMIS-CPR '08: Proceedings of the 2008 ACM SIGMIS CPR conference on
2008 Computer personnel doctoral consortium and research

Publisher: ACM

Full text available:  pdf(438.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 48, Citation Count: 0

Implementing electric business (e-business) is imperative for firms to gain competitive advantages in modern competitive environment. However, issues regarding how to evaluate and manage the success/effective of e-business are still scant from viewpoints ...

Keywords: e-business, effectiveness, importance of fit, job satisfaction, service quality

3 On developing system dynamics model for business process simulation

Lianjun An, Jun-Jang Jeng

December 2005 WSC '05: Proceedings of the 37th conference on Winter simulation

Publisher: Winter Simulation Conference

Full text available:  pdf(425.96 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 177, Citation Count: 0

Business operations can be formally described in business process models that capture activities, information, and flow embedded in business operation. System dynamics modeling is a set of conceptual tools that enable business process designers to build ...

4 Making use of business goals in usability evaluation: an experiment with novice

◆ evaluators

Kasper Hornbæk, Erik Frøkjær

April CHI '08: Proceeding of the twenty-sixth annual SIGCHI conference on Human
2008 factors in computing systems

Publisher: ACM

Full text available:  pdf(402.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 104, Downloads (12 Months): 161, Citation Count: 0

The utility and impact of a usability evaluation depend on how well its results align with the business goals of the system under evaluation. However, how to achieve such alignment is not well understood. We propose a simple technique that requires active ...

Keywords: business goals, context information, think-aloud testing, usability evaluation, usability problems

5 Value-driven design for "infosuasive" web applications

 Davide Bolchini, Franca Garzotto, Paolo Paolini
April 2008 WWW '08: Proceeding of the 17th international conference on World Wide Web

Publisher: ACM

Full text available:  pdf(1.22 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 46, Downloads (12 Months): 46, Citation Count: 0

An infosuasive web application is mainly intended to be at the same time informative and persuasive, i.e., it aims at supporting knowledge needs and it has also the (declared or not declared) goal of influencing user's opinions, attitudes and behaviors. ...

Keywords: brand, communication goals, conceptual model, globalization, persuasive design, requirements, value, value-driven design, web design, web engineering

6 Process-oriented abstraction of the complex evolvable systems: problem model construction

 Behzad Bastani
May 2008 ACM SIGSOFT Software Engineering Notes, Volume 33 Issue 3

Publisher: ACM

Full text available:  pdf(1.83 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 39, Citation Count: 0

Architectural design and lifecycle management of complex Evolvable Systems encounter contexts and environments in which ambiguity and volatility are of essence. Ambiguity relates to the content of the information the architect has available at the time ...

Keywords: abstractions, architectural style, complex systems, conceptual modeling, design, design patterns, evolvable systems, framework, method, methodologies, modeling, open systems, process-oriented modeling, requirements analysis, requirements and architecture modeling, reuse, software architecture, software engineering, specification

7 DADA: a data cube for dominant relationship analysis

 Cuiping Li, Beng Chin Ooi, Anthony K. H. Tung, Shan Wang
June 2006 SIGMOD '06: Proceedings of the 2006 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available:  pdf(419.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 140, Citation Count: 3

The concept of dominance has recently attracted much interest in the context of skyline computation. Given an N-dimensional data set S , a point p is said to dominate q if p is better than q in at least one dimension ...

Keywords: data cube, dominant relationship analysis, microeconomic data mining, skyline

8 Processing star queries on hierarchically-clustered fact tables

Nikos Karayannidis, Aris Tsois, Timos Sellis, Roland Pieringer, Volker Markl, Frank Ramsak, Robert Fenk, Klaus Elhardt, Rudolf Bayer
August 2002 VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases

Publisher: VLDB Endowment

Full text available:  pdf(503.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 78, Citation Count: 0

Star queries are the most prevalent kind of queries in data warehousing, OLAP and business intelligence applications. Thus, there is an imperative need for efficiently processing star queries. To this end, a new class of fact table organizations has ...

9 Proceedings of the 3rd international workshop on Data engineering issues in E-

 commerce and services: In conjunction with ACM Conference on Electronic Commerce (EC '07): In conjunction with ACM Conference on Electronic Commerce (EC '07)

Martin Hepp, Mehmet Sayal, Sang-goo Lee, Juhnyoung Lee, Junho Shim
June 2007 proceeding

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

As part of their e-business activities, enterprises create, share, recombine, and process an ever increasing amount of data and documents that range from simple transactional data to complex business process definitions. In many respective processes, ...

10 m-powering personnel for e-business change

 Colin Ash, Janice Burn
April 2001 SIGCPR '01: Proceedings of the 2001 ACM SIGCPR conference on Computer personnel research

Publisher: ACM

Full text available:  pdf(719.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 101, Citation Count: 0

The paper examines a model that proposes various antecedents to successful e-business change management in ERP environments. A case study of an m-commerce project for a personnel management system within a large traditional engineering company is described ...

Keywords: change management, e-business, internet extended ERP, m-commerce, personal empowerment

11 Transforming data to satisfy privacy constraints

 Vijay S. Iyengar
July 2002 KDD '02: Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Full text available:  pdf(941.95 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 146, Citation Count: 23

Data on individuals and entities are being collected widely. These data can contain information that explicitly identifies the individual (e.g., social security number). Data can also contain other kinds of personal information (e.g., date of birth, ...)

Keywords: data transformation, generalization, predictive modeling, privacy, suppression

12 How can groups communicate when they use different languages?

Jintae Lee, Thomas W. Malone
April 1988 Proceedings of the ACM SIGOIS and IEECS TC-OA 1988 conference on Office information systems

Publisher: ACM

Full text available:  pdf(931.52) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
 index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 5

Many office systems are based on various types of messages, forms, or other documents. When users of such systems need to communicate with people who use different document types, some kind of translation is necessary. In this paper, we explore the space ...

13 How can groups communicate when they use different languages?

Jintae Lee, Thomas W. Malone
April 1988 ACM SIGOIS Bulletin, Volume 9 Issue 2-3

Publisher: ACM

Full text available:  pdf(931.52) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
 index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 5

Many office systems are based on various types of messages, forms, or other documents. When users of such systems need to communicate with people who use different document types, some kind of translation is necessary. In this paper, we explore the space ...

14 Service oriented architectures: approaches, technologies and research issues

Mike P. Papazoglou, Willem-Jan Heuvel
July 2007 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 16 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(818.68) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 529, Downloads (12 Months): 1294, Citation Count: 0

Service-oriented architectures (SOA) is an emerging approach that addresses the requirements of loosely coupled, standards-based, and protocol-independent distributed computing. Typically business operations running in an SOA comprise a number of invocations ...

Keywords: Application and service integration, Asynchronous and event-driven processing, Enterprise bus, Service oriented architecture, Web services

15 A goal-driven approach to enterprise component identification and specification

Keith Levi, Ali Arsanjani

October Communications of the ACM, Volume 45 Issue 10
2002

Publisher: ACM

Full text available:  pdf(180.66 KB)  html(56.43 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 274, Citation Count: 6

Mapping a business architecture to a component-based software architecture.

16 Information technology fluency in practice

Keith Levi, Ali Arsanjani, Tony Clear, Brad Richards, Stephen Cooper, Tadeusz Wilusz

June ACM SIGCSE Bulletin, Volume 35 Issue 2
2003

Publisher: ACM

Full text available:  pdf(360.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 194, Citation Count: 2

Recent work has stressed the importance of fluency with information technology (IT) in the modern world. This report presents a set of context profiles that detail courses and programs to realize increased IT fluency across a small sampling of academic ...

Keywords: Fitness, IT concepts, IT fluency, computer applications, context profiles, education, intellectual capabilities, non-majors

17 Information technology fluency in practice

John P. Dougherty, Tom Dececchi, Tony Clear, Brad Richards, Stephen Cooper, Tadeusz Wilusz

June ITiCSE-WGR '02: Working group reports from ITiCSE on Innovation and
2002 technology in computer science education

Publisher: ACM

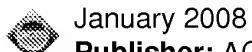
Full text available:  pdf(360.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 194, Citation Count: 2

Recent work has stressed the importance of fluency with information technology (IT) in the modern world. This report presents a set of context profiles that detail courses and programs to realize increased IT fluency across a small sampling of academic ...

Keywords: Fitness, IT concepts, IT fluency, computer applications, context profiles, education, intellectual capabilities, non-majors

18 [Interactions: Volume 15 Issue 1](#)



January 2008

issue Volume 15 Issue 1

Publisher: ACM

Full text available: pdf(9.79 MB) digital edition

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 252, Citation Count: 0

19 [A relevance-extended multi-dimensional model for a data warehouse contextualized with documents](#)



Juan Manuel Pérez, Rafael Berlanga, María José Aramburu, Torben Bach Pedersen

November 2005 DOLAP '05: Proceedings of the 8th ACM international workshop on Data warehousing and OLAP

Publisher: ACM

Full text available: pdf(349.03 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 121, Citation Count: 0

Current data warehouse and OLAP technologies can be applied to analyze the structured data that companies store in their databases. The circumstances that describe the context associated with these data can be found in other internal and external sources ...

Keywords: OLAP, text-rich XML documents

20 [Problem frames approach to web services requirements](#)



Anju Jha

May 2006 IWAAPF '06: Proceedings of the 2006 international workshop on Advances and applications of problem frames

Publisher: ACM

Full text available: pdf(350.88 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 71, Citation Count: 0

The aim of our research is to capture and describe business to IT problems in the context of business requirements for Web services. As a means to align Web services initiative with the business strategy, we propose a research methodology to capture ...

Keywords: alignment, capabilities, problem frames, progression of problems, requirements, web services

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